Polymer Testing **8** (1989) 443–445

CONTENTS OF VOLUME 8

Number 1

Editorial 1

A Procedure for Accelerated Permeability Testing 3
R. H. JOHNSON & M. J. CAWOOD (UK)

A Standard Slider for Slip Measurements 9
D. I. JAMES (UK)

Surface Resistance of Thin Polyester Film Using Two Different Measurement Methods 19
GEORGIOS LEONIDOPOULOS (Greece)

A Structural Analysis of Nitrile Rubbers—the ^{13}C Resonance Technique . . . 45
B. G. WILLOUGHBY (UK)

Book Review 71

Announcements 73

Number 2

Editorial 75

Recovery Behaviour of Thin Polyester Film Surface Resistance Under the Influence of Different Liquids 77
GEORGIOS LEONIDOPOULOS (Greece)

Three Regions of Dynamic Properties and their Distinctions 83
D. Z. LUO (UK)

Modulus End Corrections for Tensile Specimens of Uniform Cross-Section . . 89
DEBORAH A. SEYMOUR & MONTGOMERY T. SHAW (USA)

Simple Autoclave Systems for Fibre Reinforced Composite Components . . . 101
FREDDY Y. C. BOEY (Singapore)

Studies on Stress-Relaxation of Styrene–Butadiene Rubber–Mica Composites 109
S. DEBNATH (India)

On the Determination of Fracture Toughness in Polymers 119
B. H. KIM, C. R. JOE & D. M. OTTERSON (USA)

Polymer Testing (**8**) (1989)—© 1989 Elsevier Science Publishers Ltd, England. Printed in Northern Ireland.

An Improved Accelerated Ozone Test and its Apparatus, and a Study of the Relationship between the Accelerated Test Based on the Improved System and Outdoor Exposure 131
SHIGERU SUGA, KENHACHI MITSUHASHI, YUKIO ABE & HIROMI TANNO (Japan)

Announcements 155

Number 3

Editorial 159

The Use of Processability Tests for Quality Assurance 161
JOHN A. SEZNA (USA)

Stress—Whitening of Polypropylene Block Copolymer in Impact Tests and its Measurement 191
SUBHENDRA BAKSHI, A. K. KULSHRESHTHA, B. P. SINGH & J. S. ANAND (India)

The Optical Behavior of Polyethylene Fibres with Different Draw Ratios . . 201
A. A. HAMZA, I. M. FOUDA, M. A. KABEEL & H. M. SHABANA (Egypt)

Standardisation of the Presentation of Data for Plastics 213
G. DEAN (UK)

Book Review 223

Announcements 225

Number 4

Editorial 229

A Numerical Method for Determining Tensile Stress–Strain Properties of Plastics from Total Elongation Measurements 231
A. O. TAY & S. H. TEOH (Singapore)

Use of Microscopic Methods for Estimation of Phase Morphology in Rubber/Polyolefin Blends 249
M. M. SAIN, I. HUDEC & J. BENISKA (Czechoslovakia)

Fracture Characterization of Short Glass Fiber Reinforced Thermoplastic Polyester in Mode II by the *J*-Integral 261
B. H. KIM & H. S. KIM (USA)

Evaluation of the Calcium Carbonate Dispersion in Polypropylene Composite Fibres 269
O. ĎURČOVÁ, P. MICHLÍK & Ľ. KNOTEK (Czechoslovakia)

The Hot Plate Welding of High-Density Polyethylene 277
ARTHUR. W. BIRLEY, RICHARD BUXTON (UK) & RICHARD M. SHELLEY (USA)

Assessment of Rubber-to-Metal Bond Strength Using The 90-Degree Peel Test 289
ALIAS BIN OTHMAN (Malaysia)

Number 5

Editorial 301

DMTA Studies of Polymer Blends and Compatibility 303
R. E. WETTON & P. J. CORISH (UK)

Fracture Characterization of Short Glass Fiber Reinforced Thermoplastic Polyester in Mixed Mode (I, II) by the *J*-integral 313
B. H. KIM & H. S. KIM (USA)

A Contribution to the Study of Optimal Properties of Cylindrical Step-Index Fibres 329
A. A. HAMZA, M. M. EL-TONSY & S. K. EL-LABANY (Egypt)

Kinetic Dissolution Measurement of Polymers by Solution Viscosity Recording 339
M. MIKULA, M. ČEPPAN, J. BLECHA, L. LAPČÍK & V. KALÍŠEK (Czechoslovakia)

A Rapid and Accurate Method for Determining the Dry Rubber Content and Total Solid Content of NR Latex 353
L. M. K. TILLEKERATNE, L. KARUNANAYAKE, P. H. SARATH KUMARA & S. WEERAMAN (Sri Lanka)

Determination of the Steady State Crack Resistance Value (R_p) Using a Single Specimen 359
C. R. JOE, D. M. OTTERSON, H. S. KIM & B. H. KIM (USA)

Book Reviews 369

Announcements 371

Number 6

Editorial 373

Development of an Autoclave Curing System for Fibre Reinforced Polymer Composites 375
FREDDY Y. C. BOEY (Singapore)

A More Reliable Detergent for Constant Load Experiments on Polyethylene . 385
F. L. SCHOLTEN, J. PISTERS & B. VENEMA (The Netherlands)

Interferometric Determination of the Refractive Indices, Birefringence and Homogeneity of a Polymer Thin Film 407
I. M. FOUDA & M. M. EL-TONSY (Egypt)

Development of a New Test Method for Measurement of Tack and Studies on Tack between Cap and Base Compounds 415
AMALENDU SARKAR, ANIL K. BHOWMICK & S. N. CHAKRAVARTY (India)

Calibration of Quartz Load Cells; An In-Situ Procedure for Instrumented Falling Weight Impact Machines 429
M. W. MONEY & G. D. SIMS (UK)